

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-3. (canceled)

4. (currently amended) A method comprising transplantation of insulin producing cells in the form of isolating isolated islets to a patient suffering from insulin dependent diabetes mellitus (IDDM),

wherein said isolated islets are modified by irreversible adsorption with a clotting inhibiting agent comprising heparin or a fraction or derivative thereof, wherein said islet cells are coated with heparin or a fraction or derivative thereof by preincubation of islets in a solution containing heparin or a fraction or derivative thereof,

wherein said anticoagulant clotting inhibiting agent acts to prevent inhibit clotting or reduce clotting.

5-7. (canceled)

8. (currently amended) The method according to any one of the claims 1-7 claim 4, wherein more than one clotting preventing inhibiting agent is used.

9. (currently amended) The method according to any
~~one of the claims 1-7~~ claims 4, wherein the clotting
preventing inhibiting agent is supplemented by an inhibitor of
complement.

10. (canceled)

11. (currently amended) A method for increasing
survival of islet cells according to claim 14, in connection
with transplantation of insulin producing cells to patients
with insulin dependent diabetes mellitus (IDDM), comprising
prevention inhibiting of clotting, monitored as reduced
generation of thrombin-antithrombin complex (TAT complex).

12. (canceled)

13. (canceled)

14. (new) Isolated islets comprising insulin
producing cells, wherein the islets are coated with a clotting
inhibiting agent on the islet surface.

15. (new) Isolated islets of claim 14, wherein the
clotting inhibiting agent is an anticoagulant.

16. (new) Isolated islets according to claim 15,
wherein the anticoagulant is heparin or a fraction or
derivative thereof.

17. (new) Isolated islets according to claim 16, wherein the isolated islet cells are coated with heparin or a fraction or derivative thereof by preincubation of islets in a solution containing heparin or a fraction or derivative thereof.

18. (new) Isolated islets of claim 14, wherein the clotting inhibiting agent is an inhibitor of platelet activation.

19. (new) Isolated islets according to claim 18, wherein the clotting inhibiting agent is a RGD containing peptide or a monoclonal antibody which inhibits the interaction of platelet integrins with their specific ligands.

20. (new) Isolated islets according to claim 19, wherein the clotting inhibiting agent is a monoclonal antibody or a peptide directed against the Fc receptor on platelets.

21. (new) Isolated islets according to claim 20, wherein said islets are coated with more than one clotting inhibiting agent.

22. (new) Isolated islets according to claim 20, wherein said islets are also coated with an inhibitor of complement.

23. (new) Isolated islets according to claim 21,
wherein said islets are also coated with an inhibitor of
complement.

24. (new) Isolated cells comprising islets of
Langerhans, wherein the islets are coated with a heparin
conjugate on the islet surface.

25. (new) Method of production of a composition for
treatment of insulin dependent diabetes mellitus, IDDM,
comprising coating isolated islets with a clotting inhibiting
agent.